

Appendix I:
Water Authority Demands Provided by Metropolitan

Final
(July 22, 2010)

San Diego County Water Authority

Average Year
(Average of 1922-2004 Hydrology)

Demographics ¹	2010	2015	2020	2025	2030	2035
Population	3,109,155	3,274,281	3,438,837	3,598,896	3,758,954	3,898,950
Occupied Housing Units	1,062,295	1,116,246	1,167,953	1,219,534	1,271,114	1,312,408
Single Family	634,487	655,773	672,144	682,196	692,247	695,520
Multi-Family	427,809	460,472	495,809	537,338	578,867	616,888
Persons Per Household	2.84	2.84	2.84	2.85	2.85	2.86
Urban Employment	1,351,248	1,446,465	1,528,532	1,601,035	1,665,482	1,727,637

Conservation	2010	2015	2020	2025	2030	2035
Conservation ²	97,885	109,329	117,979	129,841	142,048	153,236
Installed Active Device Through 2009	25,050	20,518	8,279	2,469	151	0
Code-Based and Price-Effect Savings	72,835	88,811	109,700	127,372	141,898	153,236

Total Demands After Conservation	2010	2015	2020	2025	2030	2035
Total Demand	672,954	719,421	744,318	754,541	773,477	792,695
Retail Municipal and Industrial ³	579,978	632,946	663,653	692,374	718,752	737,960
Retail Agricultural	90,909	84,250	78,311	59,775	52,326	52,326
Seawater Barrier	0	0	0	0	0	0
Groundwater Replenishment	2,067	2,225	2,354	2,392	2,400	2,409

Local Supplies	2010	2015	2020	2025	2030	2035
Total Local Supplies	89,222	108,142	110,972	113,683	116,240	118,236
Groundwater Production	12,100	12,100	12,100	12,100	12,100	12,100
Surface Production	44,622	59,583	59,583	59,583	59,583	59,583
Los Angeles Aqueduct	0	0	0	0	0	0
Groundwater Recovery	6,031	6,868	7,297	7,699	8,101	8,503
Recycling	26,469	29,591	31,992	34,301	36,456	38,050
M&I and Agricultural	24,402	27,366	29,638	31,909	34,056	35,641
Groundwater Replenishment	2,067	2,225	2,354	2,392	2,400	2,409
Seawater Barrier	0	0	0	0	0	0
Other Non-Metropolitan Imports	0	0	0	0	0	0

Demands on Metropolitan	2010	2015	2020	2025	2030	2035
Total Metropolitan Demands	583,731	611,279	633,346	640,857	657,237	674,458
Full Service (Tier I and Tier II)	532,512	611,279	633,346	640,857	657,237	674,458
Replenishment Water ⁴	0	0	0	0	0	0
Interim Agricultural Water Program	51,219	0	0	0	0	0

All units are acre-feet except in Demographics Section.

1. Growth projections are based on SCAG 2008 Regional Transportation Plan and SANDAG Series 12 Forecast.
2. Includes code-based, price-effect and existing active savings through CY2009; does not include future active conservation savings.
Conservation is 1990 base year. Pre-1990 add 250,000 acre-feet.
3. Retail M&I projections include conservation.
4. Replenishment Water include direct and in-lieu replenishment.

Final
(July 22, 2010)

San Diego County Water Authority

Single Dry-Year
(Repeat of 1977 Hydrology)

Demographics ¹	2010	2015	2020	2025	2030	2035
Population	3,109,155	3,274,281	3,438,837	3,598,896	3,758,954	3,898,950
Occupied Housing Units	1,062,295	1,116,246	1,167,953	1,219,534	1,271,114	1,312,408
Single Family	634,487	655,773	672,144	682,196	692,247	695,520
Multi-Family	427,809	460,472	495,809	537,338	578,867	616,888
Persons Per Household	2.84	2.84	2.84	2.85	2.85	2.86
Urban Employment	1,351,248	1,446,465	1,528,532	1,601,035	1,665,482	1,727,637

Conservation	2010	2015	2020	2025	2030	2035
Conservation ²	97,885	109,329	117,979	129,841	142,048	153,236
Installed Active Device Through 2009	25,050	20,518	8,279	2,469	151	0
Code-Based and Price-Effect Savings	72,835	88,811	109,700	127,372	141,898	153,236

Total Demands After Conservation	2010	2015	2020	2025	2030	2035
Total Demand	683,956	730,335	755,030	764,115	782,706	802,067
Retail Municipal and Industrial ³	584,340	637,706	668,645	697,582	724,158	743,510
Retail Agricultural	97,549	90,404	84,031	64,141	56,148	56,148
Seawater Barrier	0	0	0	0	0	0
Groundwater Replenishment	2,067	2,225	2,354	2,392	2,400	2,409

Local Supplies	2010	2015	2020	2025	2030	2035
Total Local Supplies	85,761	103,757	106,587	109,298	111,855	113,851
Groundwater Production	12,100	12,100	12,100	12,100	12,100	12,100
Surface Production	41,161	55,198	55,198	55,198	55,198	55,198
Los Angeles Aqueduct	0	0	0	0	0	0
Groundwater Recovery	6,031	6,868	7,297	7,699	8,101	8,503
Recycling	26,469	29,591	31,992	34,301	36,456	38,050
M&I and Agricultural	24,402	27,366	29,638	31,909	34,056	35,641
Groundwater Replenishment	2,067	2,225	2,354	2,392	2,400	2,409
Seawater Barrier	0	0	0	0	0	0
Other Non-Metropolitan Imports	0	0	0	0	0	0

Demands on Metropolitan	2010	2015	2020	2025	2030	2035
Total Metropolitan Demands	598,195	626,578	648,442	654,816	670,850	688,216
Full Service (Tier I and Tier II)	546,976	626,578	648,442	654,816	670,850	688,216
Replenishment Water ⁴	0	0	0	0	0	0
Interim Agricultural Water Program	51,219	0	0	0	0	0

All units are acre-feet except in Demographics Section.

1. Growth projections are based on SCAG 2008 Regional Transportation Plan and SANDAG Series 12 Forecast.
2. Includes code-based, price-effect and existing active savings through CY2009; does not include future active conservation savings.
Conservation is 1990 base year. Pre-1990 add 250,000 acre-feet.
3. Retail M&I projections include conservation.
4. Replenishment Water include direct and in-lieu replenishment.

Final
(July 22, 2010)

San Diego County Water Authority

Multi Dry-Year
(Repeat of 1990-1992 Hydrology)

Demographics¹	2015	2020	2025	2030	2035
Population	3,274,281	3,438,837	3,598,896	3,758,954	3,898,950
Occupied Housing Units	1,116,246	1,167,953	1,219,534	1,271,114	1,312,408
Single Family	655,773	672,144	682,196	692,247	695,520
Multi-Family	460,472	495,809	537,338	578,867	616,888
Persons Per Household	2.84	2.84	2.85	2.85	2.86
Urban Employment	1,446,465	1,528,532	1,601,035	1,665,482	1,727,637

Conservation	2015	2020	2025	2030	2035
Conservation ²	109,329	117,979	129,841	142,048	153,236
Installed Active Device Through 2009	20,518	8,279	2,469	151	0
Code-Based and Price-Effect Savings	88,811	109,700	127,372	141,898	153,236

Total Demands After Conservation	2015	2020	2025	2030	2035
Total Demand	731,381	761,432	775,038	792,419	812,000
Retail Municipal and Industrial ³	640,105	676,353	706,316	733,944	755,205
Retail Agricultural	89,081	82,745	66,332	56,077	54,389
Seawater Barrier	0	0	0	0	0
Groundwater Replenishment	2,195	2,334	2,390	2,398	2,407

Local Supplies	2015	2020	2025	2030	2035
Total Local Supplies	95,859	98,915	101,643	104,235	106,420
Groundwater Production	12,100	12,100	12,100	12,100	12,100
Surface Production	48,080	48,080	48,080	48,080	48,080
Los Angeles Aqueduct	0	0	0	0	0
Groundwater Recovery	6,701	7,217	7,619	8,021	8,423
Recycling	28,978	31,518	33,844	36,034	37,818
M&I and Agricultural	26,783	29,184	31,454	33,636	35,411
Groundwater Replenishment	2,195	2,334	2,390	2,398	2,407
Seawater Barrier	0	0	0	0	0
Other Non-Metropolitan Imports	0	0	0	0	0

Demands on Metropolitan	2015	2020	2025	2030	2035
Total Metropolitan Demands	618,450	662,517	673,396	688,185	705,581
Full Service (Tier I and Tier II)	618,450	662,517	673,396	688,185	705,581
Replenishment Water ⁴	0	0	0	0	0

All units are acre-feet except in Demographics Section.

1. Growth projections are based on SCAG 2008 Regional Transportation Plan and SANDAG Series 12 Forecast.
2. Includes code-based, price-effect and existing active savings through CY2009; does not include future active conservation savings.
Conservation is 1990 base year. Pre-1990 add 250,000 acre-feet.
3. Retail M&I projections include conservation.
4. Replenishment Water include direct and in-lieu replenishment.